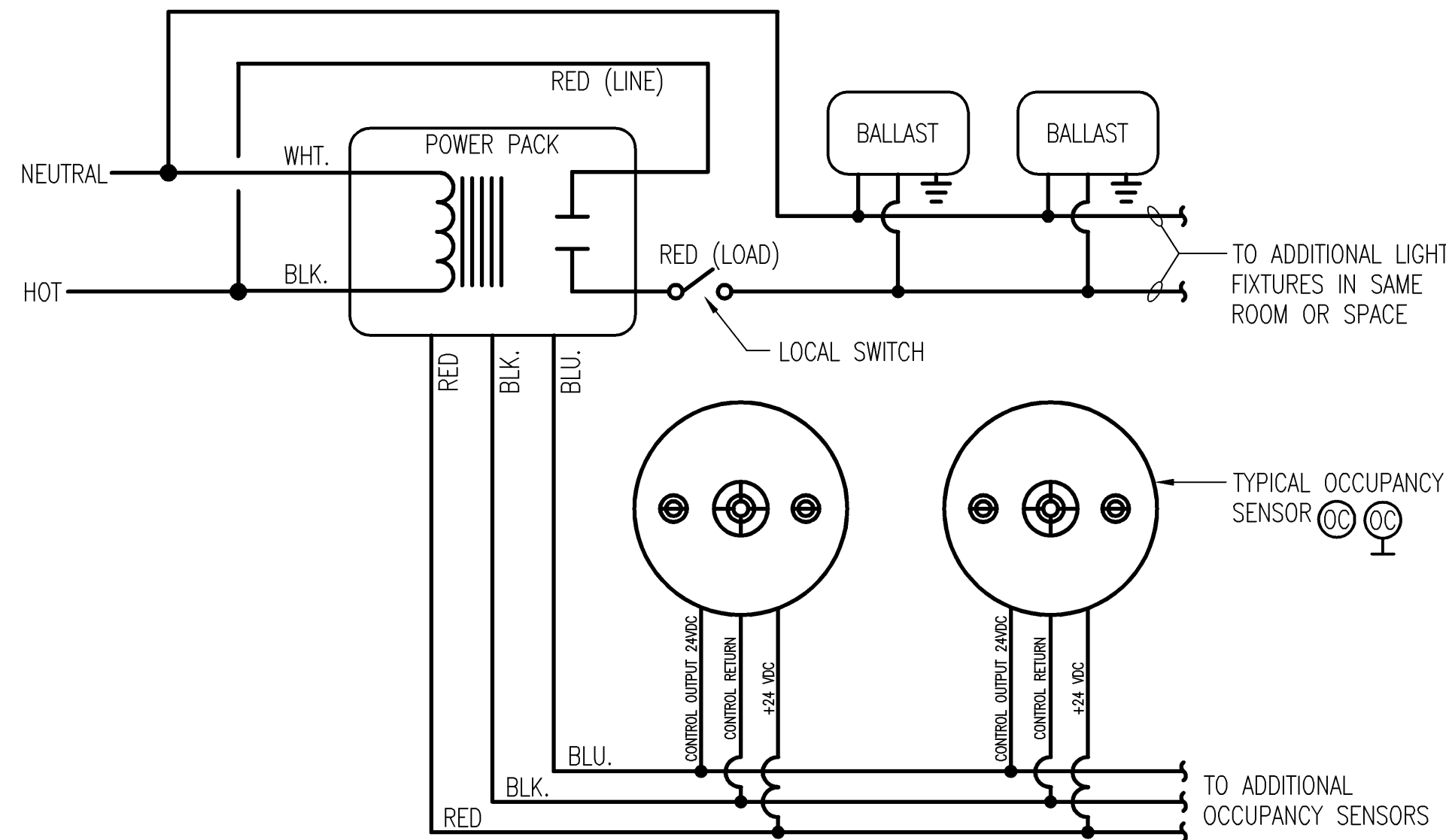


CLASSROOM CEILING OCCUPANCY SENSOR WIRING DIAGRAM



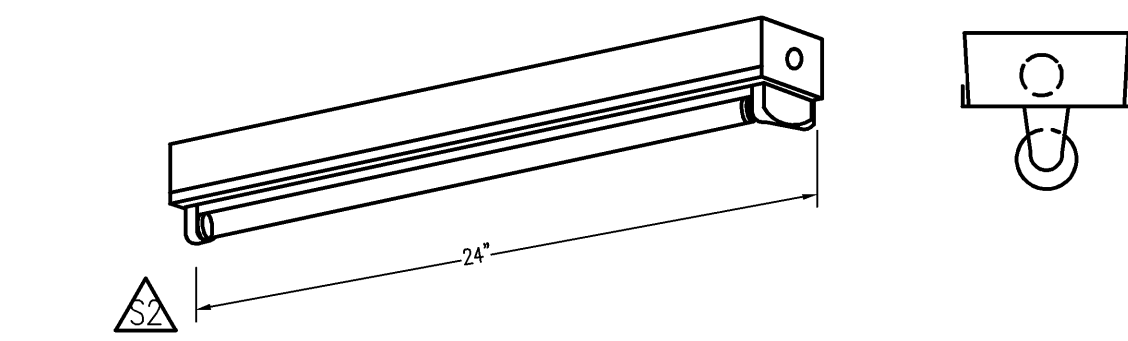
NON-CLASSROOM CEILING OR WALL MOUNTED OCCUPANCY SENSOR WIRING DIAGRAM

NOTES:

1. CEILING AND WALL MOUNTED SENSOR POWER PACKS SHALL BE CONNECTED TO LOCAL CIRCUIT SUPPLYING FIXTURES WITHIN A SPACE AND/OR A GROUP OF FIXTURES AS DELINEATED BY CIRCUITING OR LOCAL SWITCHING.
2. PROVIDE NUMBER OF POWER PACKS AS REQUIRED.
3. ALL RESTROOM/TOILET AREAS SHALL HAVE TIME DELAY SETTING SET AT MAXIMUM LEVEL.

OCCUPANCY SENSOR WIRING DIAGRAMS

NO SCALE



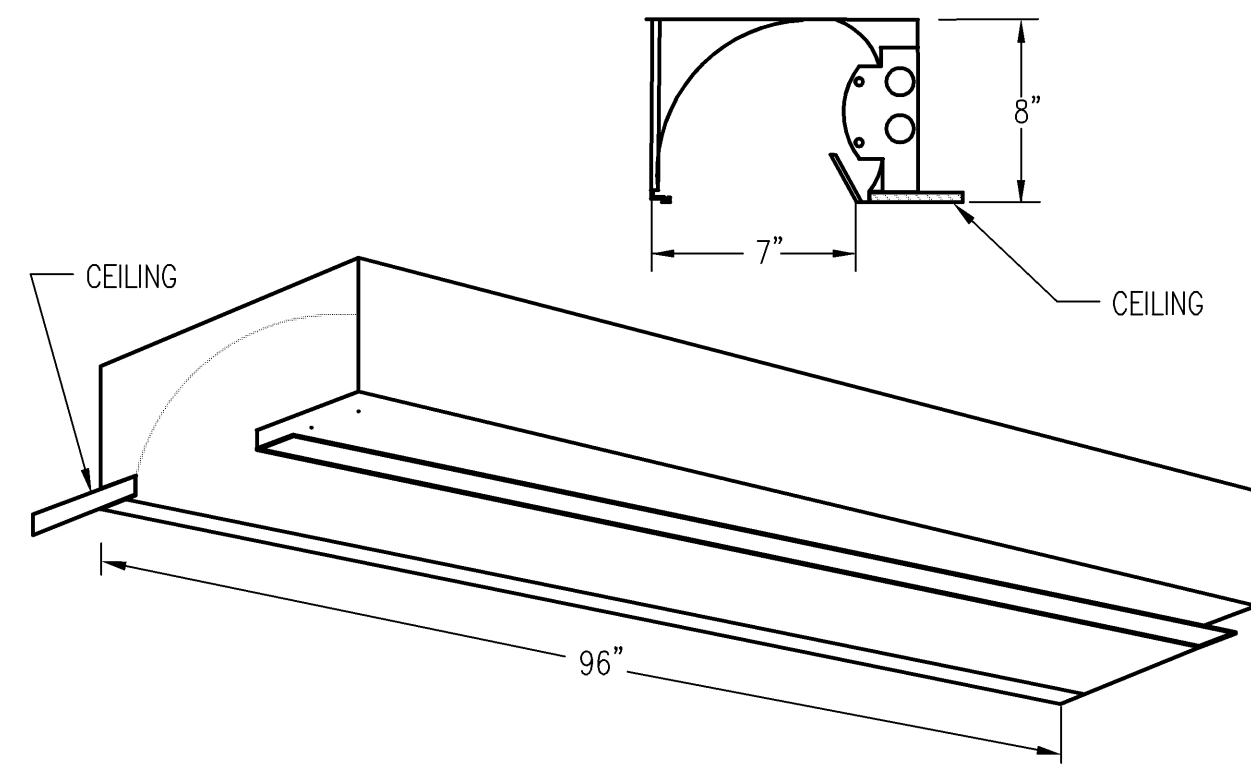
LUMINAIRE REQUIREMENTS

1. HOUSING SHALL BE 0.026" MINIMUM THICKNESS DIE FORMED COLD ROLLED STEEL, CHEMICALLY TREATED FOR RUST PREVENTION AND FINISHED WITH WHITE BAKED ENAMEL OR POLYESTER FINISH. PROVIDE TOP AND END KNOCKOUTS IN FIXTURE AND METAL END PLATES.
2. HOUSING WELDED OR SECURED BY SCREWS, RIVETS OR SNAP TOGETHER TABS AND SLOTS, INTO A SINGLE ASSEMBLY.
3. LUMINAIRE SHALL BE CAPABLE OF CONTINUOUS ROW AND SINGLE UNIT PLACEMENT WITH PENDANT OR SURFACE MOUNTING.
4. BALLAST SHALL BE ELECTRONIC, WITH THD < 20%, HIGH POWER FACTOR ( $\geq .95$ ) CLASS P ELECTRONIC BALLAST WITH A SOUND RATING OF "A". PROVIDE BALLAST WITH "FINGER SAFE" DISCONNECTING MEANS IN ACCORDANCE WITH NEC 410.73(G).

BASED ON LITHONIA, "C" SERIES

TYPE	LAMP #	LAMP TYPE	INPUT WATTS	VOLTS	MOUNTING
	1	F17 T8	15	120/277	WALL, 6" ABOVE DOOR

FLUORESCENT STRIP



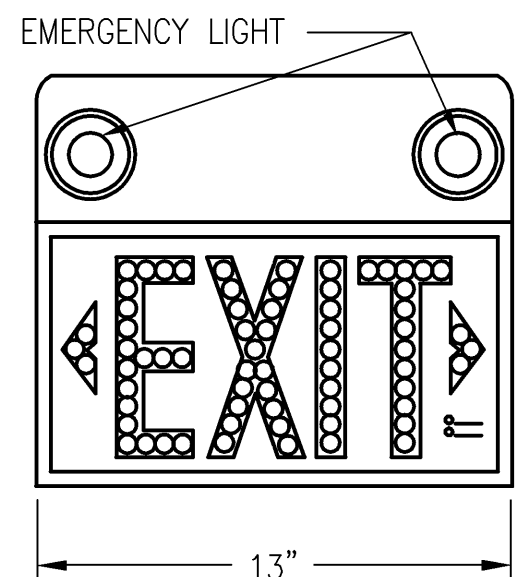
LUMINAIRE REQUIREMENTS

1. FIXTURE SHALL BE 2 LAMP STAGGERED WITH ROLLED STEEL HOUSING.
2. REFLECTOR SHALL BE ANODIZED ALUMINUM. THE KICKER REFLECTOR ISHALL BE HIGHLY POLISHED EXTRUDED ALUMINUM WITH NO SHIELDING.
3. BALLAST SHALL BE ELECTRONIC WITH THD <20%. HIGH POWER FACTOR ( $\geq .95$ ) PROGRAMMED START CLASS P WITH SOUND RATING OF "A". PROVIDE BALLAST WITH "FINGER SAFE" DISCONNECTING MEANS IN ACCORDANCE WITH NEC 410.73(G).
4. FINISH SHALL BE WHITE BAKED ENAMEL.
5. FIXTURE SHALL BE PROVIDED WITH TRIM, SLEEVES AND CONNECTORS TO MAKE UP 16' LENGTH SECTIONS.
6. LISTING - FIXTURE SHALL BE UL LISTED.

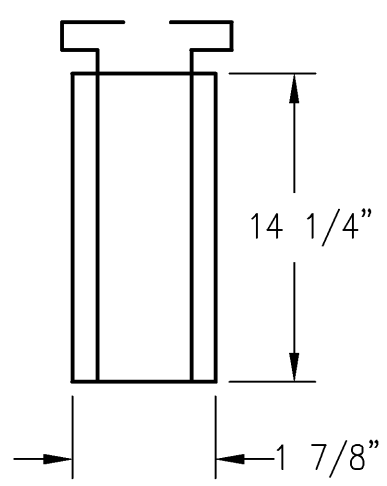
DETAIL BASED ON LINEAR LIGHTING, "WW4-D" SERIES

TYPE	LAMP #	LAMP TYPE	INPUT WATTS	VOLTS	MOUNTING
	2	59W T8	107	120/277	RECESSED, CEILING MOUNT

LINEAR WALL WASH



FRONT VIEW



END VIEW

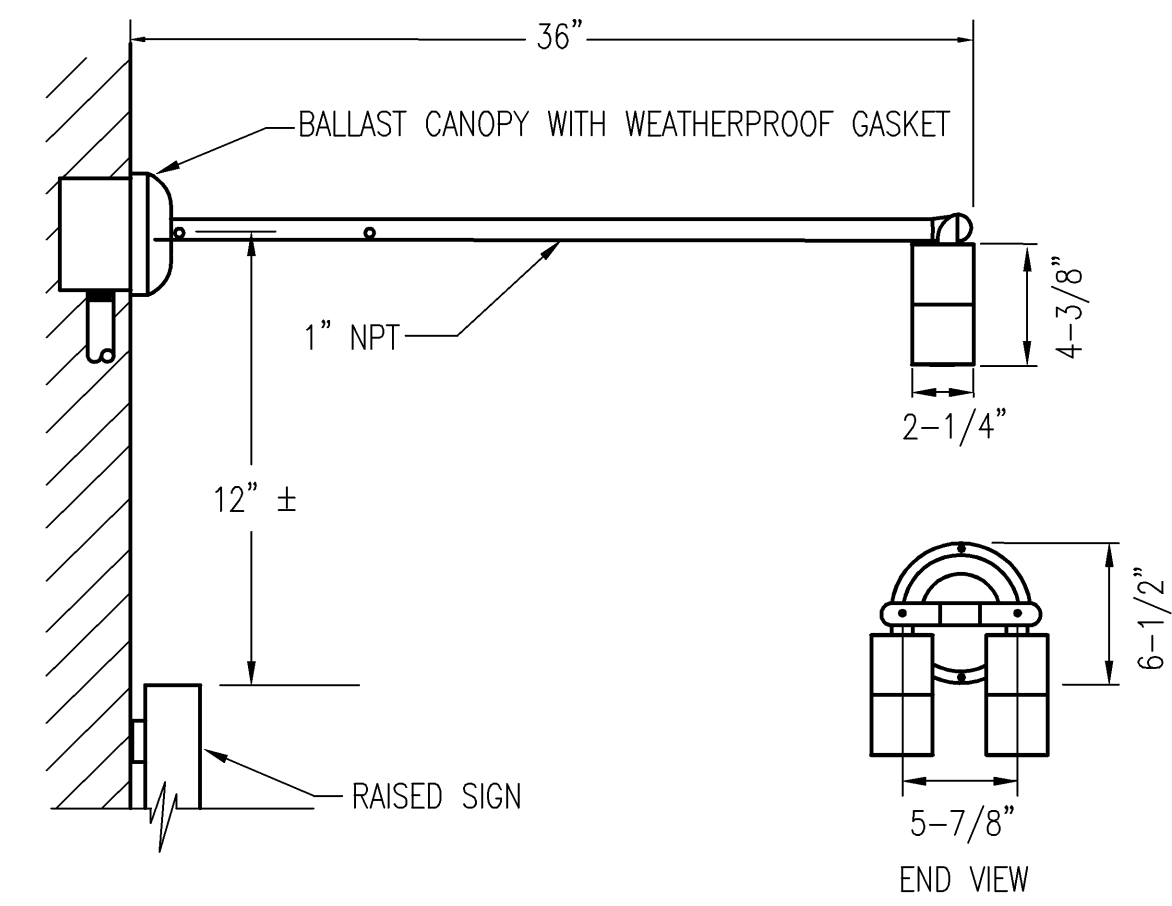
LUMINAIRE REQUIREMENTS

1. UV STABLE THERMOPLASTIC HOUSING AND LETTERS.
2. 6 INCH TALL LETTERS WITH AND 3/4" WIDE STROKES.
3. RED ILLUMINATION PROVIDED BY LIGHT EMITTING DIODES (LED). APPROXIMATELY 100 LED'S PER FACE.
4. CLEAR PROTECTIVE NON-BREAKABLE LENS TO PROTECT LED'S.
5. POWER FAILURE PROTECTION, BROWN OUT PROTECTION AND SURGE PROTECTION.
6. SEALED MAINTENANCE FREE NICKEL CADMIUM BATTERY WITH SOLID STATE CHARGER, WITH OVERCHARGE PROTECTION.
7. UNIVERSAL ARROWS AND BLANK OFF PLATES.
8. SINGLE OR DOUBLE FACE AS INDICATED.
9. UNIVERSAL MOUNTING.
10. TEST BUTTON IN BOTTOM OF HOUSING.
11. INDICATOR LIGHTS IN FACE TO INDICATE WHEN UNIT IS ON NORMAL POWER OR ON BATTERY POWER.
12. WHITE FINISH.
13. EMERGENCY LIGHTING HEADS SHALL BE TUNGSTEN HALOGEN, RATED 12 WATTS.

DETAIL IS BASED ON DUAL-LITE, "LT" SERIES

TYPE	LAMP TYPE	INPUT WATTS	VOLTS	MOUNTING
	LED/HALOGEN	5	120/277	WALL MOUNT 6" ABOVE DOOR TO BOTTOM OF FIXTURE

EBU/EXIT LIGHT



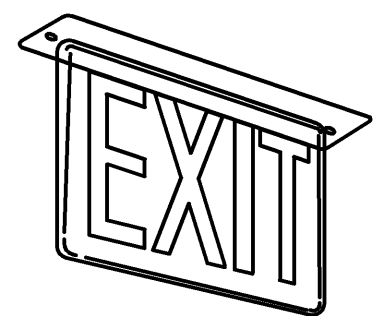
LUMINAIRE REQUIREMENTS

1. HOUSING SHALL BE ALUMINUM WITH A POWDER COAT FINISH.
2. FIXTURE SHALL HAVE A DIFFUSE OPTICAL LENS, SHIELD IS MACHINED ALLOY. LENSES ARE MECHANICALLY RETAINED IN THE SHIELD TO PROVIDE A COMPRESSIVE FORCE AND POSITIVE SEAL.
3. TWO 20W ELECTRONIC BALLAST WITH THERMAL AND SHORT CIRCUIT PROTECTION.
4. FIXTURE SHALL BE EASY TO AIM AND LOCK IN PLACE.
5. FINISH FOR FIXTURE, MOUNTING ARM AND BRACKET AND WALL PLATE SHALL BE PAINTED BLACK.

DETAIL BASED ON JUNO "ALFA SIGN LIGHTER" FIXTURE

FIXTURE TYPE	LAMP #	LAMP TYPE	INPUT WATTS	VOLTS	MOUNTING
	2	20W CMH MR16	40	277	WALL MOUNT

SIGN FIXTURE



LUMINAIRE REQUIREMENTS

1. ALUMINUM HOUSING WITH HIGH-POLISH, INJECTION-MOLDED VIRGIN ACRYLIC EDGE-LIT PANEL. GRADUATED DEPTH OF MOLDED LETTERS PROVIDES UNIFORM LIGHT DISTRIBUTION ON GRAPHICS.
2. 6 INCH TALL LETTERS.
3. RED ILLUMINATION PROVIDED BY LIGHT EMITTING DIODES (LED).
4. POWER FAILURE PROTECTION, BROWN OUT PROTECTION AND SURGE PROTECTION.
5. SEALED MAINTENANCE FREE NICKEL CADMIUM BATTERY WITH SOLID STATE CHARGER, WITH OVERCHARGE PROTECTION.
6. DIRECTIONAL ARROWS AS INDICATED.
7. UNIVERSAL MOUNTING.
8. TEST BUTTON IN BOTTOM OF HOUSING.
9. INDICATOR LIGHTS IN FACE TO INDICATE WHEN UNIT IS ON NORMAL POWER OR ON BATTERY POWER.
10. BRUSHED ALUMINUM AND CLEAR ACRYLIC FINISH.

INDICATES CEILING MOUNT

INDICATES WALL MOUNT 6" ABOVE DOOR TO BOTTOM OF FIXTURE

DETAIL BASED ON DUAL-LITE, "LE" SERIES

FIXTURE TYPE	LAMP TYPE	INPUT WATTS	VOLTS	MOUNTING
	LED	5	120/277	UNIVERSAL MOUNT, CEILING, WALL

EDGE-LIT EXIT LIGHT